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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/932,216	08/17/2001	Wenhua Yang	2550/111	4914	
2101 7:	590 03/07/2006		EXAM	EXAMINER	
BROMBERG & SUNSTEIN LLP			CUNNINGHAM, TERRY D		
125 SUMMER STREET BOSTON, MA 02110-1618			ART UNIT	PAPER NUMBER	
BOSTON, MI	02110 1010	2816		-	

DATE MAILED: 03/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			11/
	Application No.	Applicant(s)	
Office Action Comme	09/932,216	YANG, WENHUA	
Office Action Summary	Examiner	Art Unit	
	Terry D. Cunningham	2816	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a relif NO period for reply is specified above, the maximum statutory periors Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a repeply within the statutory minimum of thirty (bd will apply and will expire SIX (6) MONTH ute. cause the application to become ABA	ly be timely filed (30) days will be considered timely. 1S from the mailing date of this communication NDONED (35 U.S.C. § 133).	n.
Status			
1) Responsive to communication(s) filed on 15	January 2006.		
	nis action is non-final.		
3) Since this application is in condition for allow	rance except for formal matter	rs, prosecution as to the merits is	3
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) <u>1-3,5-15,18,20-29 and 32-37</u> is/are	pending in the application.		
4a) Of the above claim(s) 21-28 is/are withdra	awn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-3,5-15,18,20,29 and 32-37</u> is/are	rejected.		
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examir	ner.		
10)⊠ The drawing(s) filed on <u>04 October 2001</u> is/ar	e: a)⊠ accepted or b)⊡ obj	ected to by the Examiner.	
Applicant may not request that any objection to th	e drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s)	is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the €	Examiner. Note the attached (Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the principle application from the International Bure 	nts have been received. nts have been received in Appliority documents have been re au (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
* See the attached detailed Office action for a list	st of the certified copies not re	eceived.	
Notice of References Cited (PTO-892)	4) 🗍 Interview Sur	mmary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06 Paper No(s)/Mail Date	Paper No(s)/l	Mail Date mail Patent Application (PTO-152)	

DETAILED ACTION

Summary of changes in this action

1. All the claims are now rejection under 35 U.S.C. § 103, responsive to the amendment.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Spanoche (USPN 6,538,491) in view of Foss et al. (USPN 5,828,620). The above-discussed circuit to Spanoche discloses a circuit similar to that claimed, but does not disclose any details regarding the charge pump 623. The reference to Foss et al. discloses, in Fig. 3, a charge pump circuit having complementary transistors. Therefore, it would be more than reasonable to consider any of the transistors to be "complementary" since each is complementary to another transistor. The reference to Foss et al. discloses that the circuit has the advantage of eliminating drift.

Therefore, it would have been obvious for one skilled in the art to use the specific charge pump circuit in Fig. 3 of Foss et al. for the broad charge pump of Spanoche to obtain the expected advantage of eliminating drift in the combination.

Examiner has considered Applicant's remarks and has not found them to be persuasive.

While Examiner agrees that the arrangement on page 9 of the remarks is, in a broad sense, a "complementary switch", the term "complementary switch" is in no way limited to being such

only such an arrangement. The more commonly used term for the arrangement on page 9 would be a "transmission gate". However, the broadest reasonable interpretation of a "complementary switch" would be a switching circuit having a complementary arrangement. Since the circuit of Fig. 3 of Foss et al. has complementary transistors (e.g., 25 and 26), it is seen that such can reasonably be considered to be a "complementary switch".

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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TC March 2, 2006 Art Unit 2816 Terry D. Cunningham Primary Examiner

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